

Title (en)

LIQUID CRYSTAL ORIENTATION CONTROLLING FILM AND LIQUID CRYSTAL DEVICE USING THE SAME

Publication

EP 0219336 B1 19930721 (EN)

Application

EP 86307907 A 19861013

Priority

- JP 22823785 A 19851014
- JP 27001085 A 19851129

Abstract (en)

[origin: EP0219336A2] A liquid crystal display device containing a liquid crystal orientation controlling film made from a fluorine-containing polyimide-isindoloquinazolinedione is high in a tilt angle and excellent in viewing properties.

IPC 1-7

C08G 73/06; **C08G 73/10**; **G02F 1/133**

IPC 8 full level

C08G 73/06 (2006.01); **C08G 73/10** (2006.01); **G02F 1/1337** (2006.01)

CPC (source: EP US)

C08G 73/0672 (2013.01 - EP US); **C08G 73/0694** (2013.01 - EP US); **C08G 73/1039** (2013.01 - EP US); **C08G 73/105** (2013.01 - EP US); **C08G 73/1064** (2013.01 - EP US); **C08G 73/1085** (2013.01 - EP US); **G02F 1/133723** (2013.01 - EP US); **C09K 2323/0271** (2020.08 - EP US)

Cited by

CN104238193A; US5520845A; EP0389092A1; US5152918A; WO9515512A1; US9575367B2; US9720286B2

Designated contracting state (EPC)

CH DE FR GB LI

DOCDB simple family (publication)

EP 0219336 A2 19870422; **EP 0219336 A3 19880727**; **EP 0219336 B1 19930721**; DE 3688726 D1 19930826; DE 3688726 T2 19931028; US 4735492 A 19880405

DOCDB simple family (application)

EP 86307907 A 19861013; DE 3688726 T 19861013; US 91849486 A 19861014